

Ernie Beffel



**From:** Ernie Beffel  
**Sent:** Wednesday, November 10, 2004 7:35 AM  
**To:** 'jason.perilla@uspto.gov'  
**Cc:** sbromaghim  
**Subject:** Draft claim; Ser. No. 09/742,686, Docket 3Com 3354-1

COPY

Dear Examiner:

For your consideration:

A method of selecting forward error correction parameters in a channel having a plurality of subchannels in a multicarrier communications system, comprising:

storing, in one or more tables, a net coding ~~gain~~ gains for a plurality of values of signal-to-noise ratios and numbers of subchannels, the net coding ~~gains~~ gain being based on a one or the values of corresponding to the signal-to-noise ratios and ~~one of~~ the numbers of subchannels[[;]] for different values of forward error correction parameters, including a number (s) of discrete multi-tone symbols in a forward-error-correction frame, a number (z) of forward-error-correction control symbols ~~in a discrete multi-tone symbol,~~ and a maximum number of transmissions (k), ~~for different values of s, z and k;~~

determining a signal-to-noise ratio representing a subset of the subchannels to provide a representative performance measurement; and

using the tables, selecting values of s, z and k based on at least the representative performance measurement and the net coding ~~gains~~ gain by applying an approximation to a subset of the values in the table.

Best regards, Ernie Beffel

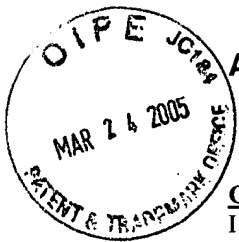
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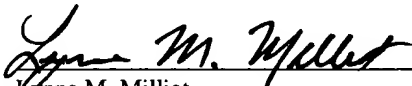


Application No.: 09/742,686

Atty Docket No.: 3COM 3354-1

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service for First-Class Mail Delivery addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 21 March 2005.

  
Lynne M. Milliot

21 March 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Vlad MITLIN et al.

Application No.: 09/742,686<sup>686</sup>  
~~636~~

Confirmation No.: 5548

Filed: 20 December 2000

Title: **Performance Evaluation of a  
G.dmt-Compliant Digital  
Subscriber Line System**

Group Art Unit: 2634

Examiner: Jason W. Perilla

**CUSTOMER NO. 22470**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**TRANSMITTAL OF RESPONSE TO OFFICE ACTION**

Sir:

In connection with the above-referenced U.S. patent application, transmitted herewith are the following papers:

- ☒ **Response to Office Action of 19 NOVEMBER 2004**, for which no claims fee is due.
- ☒ Check No. 3183 in payment of a one-month extension fee (\$120).

03/24/2005 RFEKADU1 00000011 (09742636) <sup>u9 SN-</sup>

01 FC:1251

120.00 DP

**Application No. 09/742,686**

**Atty Docket: 3COM 3354-1**

The Commissioner is hereby authorized to charge any underpayment of fees, or credit any overpayment, to our Deposit Account No. 50-0869 (Attorney Docket No. 3COM 3354-1).

Respectfully submitted,

Dated: 21 March 2005

  
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Ernest J. Beffel, Jr., Reg. No. 43,489

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